

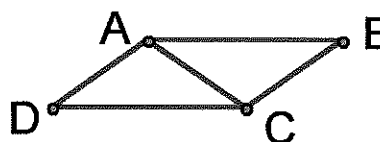
Chapter 4: Proofs with Triangles
 Lesson 4-3: SSS, SAS, ASA
 Homework

Name _____

#1

Given: $\overline{AB} \cong \overline{CD}$
 $\overline{BC} \cong \overline{DA}$
 Prove: $\triangle ABC \cong \triangle CDA$

STATEMENTS

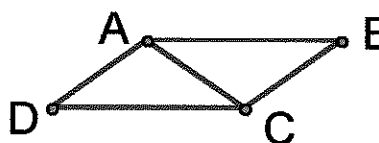


REASONS

#2

Given: $\overline{AB} \parallel \overline{CD}$
 $\overline{BC} \parallel \overline{DA}$
 Prove: $\triangle ABC \cong \triangle CDA$

STATEMENTS

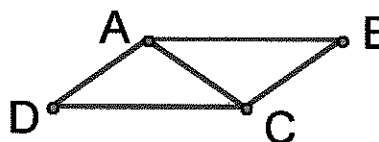


REASONS

#3

Given: $\overline{AB} \parallel \overline{CD}$
 $\overline{AB} \cong \overline{CD}$
 Prove: $\triangle ABC \cong \triangle CDA$

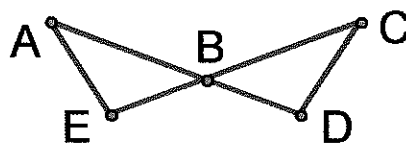
STATEMENTS



REASONS

#4

Given: $\overline{AB} \cong \overline{CB}$
 $\overline{EB} \cong \overline{DB}$
 Prove: $\triangle ABE \cong \triangle CBD$

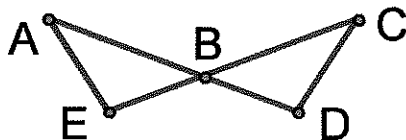


STATEMENTS

REASONS

#5

Given: $\angle A \cong \angle C$
 $\overline{AB} \cong \overline{CB}$
 Prove: $\triangle ABE \cong \triangle CBD$

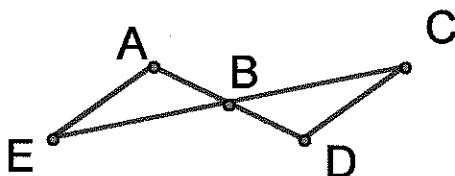


STATEMENTS

REASONS

#6

Given: \overline{AD} bisects \overline{EC}
 \overline{EC} bisects \overline{AD}
 Prove: $\triangle ABE \cong \triangle CBD$



STATEMENTS

REASONS